## AMENDMENTS TO THE CLAIMS

1-5. (canceled).

6. (currently amended) A grinding diamond disc comprising a plurality of diamond grains bound on a grinding portion of ~~the~~ a disc surface thereof, wherein the plurality of diamond grains are bound on the grinding portion in such a manner that a plurality of adjacent diamond grains are patterned in a predetermined configuration to form diamond group units ~~which are arranged regularly on the grinding portion~~, and the diamond group units are oriented in different directions with respect to a rotational direction of the disc on the disc surface in a front view according to grinding loads of the diamond grains.

7. (currently amended) A grinding diamond disc comprising a plurality of diamond grains bound on a grinding portion of ~~the~~ a disc surface thereof, wherein the plurality of diamond grains are bound on the grinding portion in such a manner that a plurality of adjacent diamond grains are patterned in a predetermined configuration to form diamond group units which are arranged regularly on the grinding portion about each rotational track, and wherein the grinding portion is formed by a substantially flat or round face, and the diamond group units are arranged continuously in a swirl shape in a front view from an inner diameter end side of the grinding portion to an outer diameter end side thereof on the disc surface.

8. (currently amended) A grinding diamond disc comprising a plurality of diamond grains bound on a grinding portion of ~~the~~ a disc surface thereof, wherein the plurality of diamond grains are bound on the grinding portion in such a manner that a plurality of adjacent diamond grains are patterned in a predetermined configuration to form diamond group units ~~which are arranged regularly~~ on the grinding portion, and wherein the grinding portion is formed by a substantially flat or round face, and the diamond group units are arranged ~~to have a gap~~ in such a manner that gaps between adjacent diamond group units on the disc surface thereof ~~which~~ gradually decrease ~~decreases~~ toward the outer diameter end of the grinding portion.

9. (previously presented) The grinding diamond disc according to claim 6, wherein the diamond group units are each formed by three diamond grains arranged in a triangle shape.

10. (canceled).

11. (currently amended) A grinding diamond disc comprising:

a center region at the center of the disc;

a center side region disposed radially outwardly from the center region;

a peripheral side region disposed radially outwardly from the center side region;

a peripheral edge region disposed radially outwardly from the peripheral side region; and

a plurality of diamond grains ~~which are~~ bound on a region of a ~~disc~~ surface of the disc from an outer diameter side of ~~a~~ the center region to ~~a~~ the peripheral edge region, and ~~are~~ not bound on the center region; [[,]]

wherein the region of the disc surface to which the plurality of diamond grains are bound includes ~~a~~ the center side region and ~~a~~ the peripheral side region ~~located on an outer periphery of the center side region~~, and the diamond grains are arranged to form ~~the~~ a character or ~~the~~ a graphic drawn in ~~the~~ a pointillist manner in the center side region.

12-14. (canceled).

15. (currently amended) A grinding diamond disc which is circular in a front view, the grinding diamond disc having a mounting hole formed in a center region of a disc surface thereof, the grinding diamond disc comprising:

a protruding portion formed at a peripheral edge of the grinding diamond disc, the protruding portion protruding both ~~and configured to protrude~~ forward and backward relative to the disc surface, wherein the diamond grains are bound on the protruding portion.

16. (currently amended) A grinding diamond disc which is circular in a front view, the grinding diamond disc having a mounting hole formed in a center region of a disc surface thereof, the grinding diamond disc comprising: a protruding portion formed at a peripheral edge of the grinding diamond disc, the protruding portion protruding both ~~and configured to protrude~~ forward and backward relative to the disc surface, wherein the diamond grains are bound on the protruding portion intermittently.

17. (currently amended) The grinding diamond disc according to claim 15, wherein an outer surface ~~peripheral edge~~ of the protruding portion is rounded in a cross-sectional view.

18. (original) The grinding diamond disc according to claim 7, wherein the diamond group units are each formed by three diamond grains arranged in a triangle shape.

19. (original) The grinding diamond disc according to claim 8, wherein the diamond group units are each formed by three diamond grains arranged in a triangle shape.

20. (currently amended) The grinding diamond disc according to claim 16, wherein an outer surface ~~peripheral edge~~ of the protruding portion is rounded in a cross-sectional view.